

<b>FORM PTO-1449</b> (Fill-A-Form 7.92) <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use several sheets if necessary)</i>	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		Attorney's Docket Number 068660.0126	Serial Number 10/810,995 Unknown
	Applicant Edwards et al.			
	Filing Date		Group Unknown 1636	

### U. S. PATENT DOCUMENTS

EXAM INIT.		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

### FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

EXAM INIT.		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	Translation	
							YES	NO

### OTHER MATERIALS

*(including, Author, Title, Date, Relevant Pages, Place of Publication. \*\*)*

MKJ	aa	Ammerer, G.; 1983. Expression of genes in yeast using the ACDI promoter. Methods in Enzymol. 101, 192-201.
MKJ	ab	Aronheim, A.; Zandi, E.; Hennemann, H.; Elledge, S. J.; and Karin, M.; 1997. Isolation of an AP-1 Repressor by a Novel Method for Detecting Protein-Protein Interactions. Mol. Cell. Biol. 17, 3094-3102.
	ac	<del>Bai, C., and Elledge, S. J.; 1997. Gene Identification Using the Yeast Two Hybrid System. Methods Enzymol. 283, 141-156.</del>
MKJ	ad	Baldwin, A. S.; 1996. The NF-κB and IκB Proteins: New Discoveries and Insights. Annu. Rev. Immunol. 14, 649-681.
MKJ	ae	Bartel, P.; Chien, C.; Sternglanz, R.; and Fields, S.; 1993. Elimination of False Positives That Arise in Using the Two-Hybrid System. Biotechniques 14, 920-924.
	af	Berridge, P.; Lipp, P.; and Bootman, M.; 1999. Calcium signalling. Curr. Biology 9, R157-R159.
	ag	<del>Brachmann, R. K., and Bocke, J. D.; 1997. Tag games in yeast: the two-hybrid system and beyond. Curr. Opin. Biotechnol. 8, 561-568.</del>
MKJ	ah	Bunker, C. A.; and Kingston, R. E.; 1995. Identification of a cDNA for SSRP1, an HMG-box protein, by interaction with the c-Myc oncoprotein in a novel bacterial expression screen. Nucleic Acid Res. 23, 269-276.

EXAM INT.		<b>OTHER MATERIALS</b> <i>(Including, Author, Title, Date, Relevant Pages, Place of Publication)</i>
MKJ	ba	Bustos, S. A.; and Schleif, R. F.; 1993. Functional domain of the AraC protein. Proc. Natl. Acad. Sci. 90, 5368-5642.
	bb	Cantwell, B. A.; Brazil, G.; Murphy, N.; and McConnell, D. J.; 1986. Comparison of expression of the endo- $\beta$ -1,3-1,4-glucanase gene from <i>Bacillus subtilis</i> in <i>Saccharomyces cerevisiae</i> from the CYC1 and ADH1 promoters. Curr. Genetics 11, 65-70.
	bc	Edwards, D. N.; Towb, P.; and Wasserman, S. A.; 1997. An activity-dependent network of interactions links Rel protein Dorsal with its cytoplasmic regulators. Development 124, 3855-3864.
	bd	Estojak, J.; Brent, R.; and Golemis, E. A.; 1995. Correlation of Two-Hybrid Affinity Data with In Vitro Measurements. Mol. Cell. Biol. 15, 5820-5829.
	be	Fearon, E. R.; Finkel, T.; Gillison, M. L.; Kennedy, S. P.; Casella, J. F.; Tomaselli, G. F.; Morrow, J.S.; and Van Dang, C.; 1992. Karyoplasmic interaction selection strategy: A general strategy to detect protein-protein interactions in mammalian cells. Proc. Natl. Acad. Sci. 89, 7958-7962.
	bf	Fields, S.; and Song, O.; 1989. A novel genetic system to detect protein-protein interactions. Nature 340, 245-246.
	bg	Finley, R. L.; and Brent, R.; 1997. Two-hybrid analysis of genetic regulatory networks. In: The Yeast Two-Hybrid System. Ed. Bartel, P. L.; Fields, S.; pp. 197-214, Oxford Univ. Press.
	bh	Gaido, K. W.; Léonard, L. S.; Lovell, S.; Gould, J. C. babai, D.; Portier, C. J.; and McDonell, D. P.; 1997. Evaluation of chemicals with endocrine modulating activity in a yeast based steroid hormone receptor gene transcription assay. Toxic and App. Pharm. 143, 205-212.
	bi	Guarente, L.; 1983. Yeast Promoters and <i>lacZ</i> Fusions Designed to Study Expression of Cloned Genes in Yeast. Methods in Enzymol. 101, 181-191.
	bj	Guarente, L.; and Ptashne, M.; 1981. Fusion of <i>Escherichia coli lacZ</i> to the cytochrome <i>c</i> gene of <i>Saccharomyces cerevisiae</i> . Proc. Natl. Acad. Sci. 78, 2199-2203.
	bk	Guarente, L.; Yocum, R. R.; and Gifford, P.; 1982. A <i>GAL10</i> hybrid yeast promoter identifies the <i>GAL4</i> regulatory region as an upstream site. Proc. Natl. Acad. Sci. 79, 7410-7414.
	bl	Gyuris, J.; Golemis, E.; Chertkov, H; and Brent, R.; 1993. Cdi1, a Human G1 and S Phase Protein Phosphatase That Associates with Cdk2. Cell 75, 791-803.
	bm	Hays, L. B.; Chen, Y-S. A.; and Hu, J. C.; 2000. Two-hybrid screen for characterization of protein-protein interactions in <i>E. coli</i> . Biotechniques, 29, 288-294.
	bn	James, P.; Halladay, J.; and Craig, E. A.; 1996. Genomic Libraries and a Host Strain Designed for Highly Efficient Two-Hybrid Selection in Yeast. Genetics 144, 1425-1436.
	bo	Kliwer, S. A.; Lehmann, J. M.; and Willson, T. M.; 1999. Orphan Nuclear Receptors: Shifting Endocrinology into Reverse. Science 284, 757-760.
✓	bp	Kralli, A.; Bohen, S. P.; and Yamamoto, K. R.; 1995. LEM1, an ATP-binding-cassette transporter, selectively modulates the biological potency of steroid hormones. Proc. Natl. Acad. Sci. 92, 4701-4705.

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MKJ	ca	Li, J. J.; and Herskowitz, I.; 1993. Isolation of <i>ORC6</i> , a Component of the Yeast Origin Recognition Complex by a One-Hybrid System. <i>Science</i> 262, 1870-1874.
	cb	Mangelsdorf, D. J.; and Evans, R. M.; 1995. The RXR Heterodimers and Orphan Receptors. <i>Cell</i> 83, 841-850.
	cc	Mangus, D. A.; Amrani, N.; and Jacobson, A.; 1998. Pbp1p, a Factor Interacting with <i>Saccharomyces cerevisiae</i> Poly(A)-Binding Protein, Regulates Polyadenylation. <i>Mol. Cell. Biol.</i> 18, 7383-7396.
	cd	Martinez, A.; Sparks, C.; Drayton, P.; Thompson, J.; Greenland, A.; and Jepson, I.; 1999. Creation of ecdysone receptor chimeras in plants for controlled regulation of gene expression. <i>Mol. Gen. Genet.</i> 261, 546-552.
	ce	Mendelsohn, A. R.; and Brent, R.; 1994. Applications of interaction traps/two-hybrid systems to biotechnology research. <i>Curr. Opin. Biotechnol.</i> 5, 482-486.
	cf	Mercurio, F.; and Manning, A. M.; 1999. Multiple signals converging on NF- $\kappa$ B. <i>Curr. Opin. Cell. Biol.</i> 11, 226-232.
	cg	Moghal, N.; and Sternberg, P. W.; 1999. Multiple positive and negative regulators of signaling by the EGF-receptor. <i>Curr. Opin. Cell. Biol.</i> 11, 190-196.
	ch	Phizicky, E. M.; and Fields, S.; 1995. Protein-Protein Interactions: Methods for Detection and Analysis. <i>Microbiological Reviews</i> , Vol. 59k, No. 1, pp. 94-123.
	ci	Picard, D.; Khursheed, B.; Garabedian, M. J.; Fortin, M. G.; Lindquist, S.; and Yamamoto, K. R.; 1990. Reduced levels of hsp90 compromise steroid receptor action <i>in vivo</i> . <i>Nature</i> 348, 166-168.
	cj	Rossi, F. M. V.; and Blau, H. M.; 1998. Recent advances in inducible gene expression systems. <i>Curr. Opin. Biotechnol.</i> 9, 451-456.
	ck	Schena, M.; Picard, D.; and Yamamoto, K. R.; 1991. Vectors for Constitutive and Inducible Gene Expression in Yeast. <i>Methods in Enzymol.</i> 94, 389-398.
	cl	Schena, M.; and Yamamoto, K. R.; 1988. Mammalian Glucocorticoid Receptor Derivatives Enhance Transcription in Yeast. <i>Science</i> 241, 965-967.
	cm	SenGupta, D. J.; Zhang, B.; Kraemer, B.; Pochart, P.; Fields, S.; and Wickens, M.; 1996. A three-hybrid system to detect RNA-protein interactions <i>in vivo</i> . <i>Proc. Natl. Acad. Sci.</i> 93, 8496-8501.
	cn	Serebriiskii, I.; Khazak, V.; and Golemis E. A.; 1999. A two-hybrid dual system to discriminate specificity of protein interactions. <i>J. Biol. Chem.</i> 274(24), 17080-17087.
	co	Shioda, T.; Andriole, S.; Yahata, T.; and Isselbacher, K. J.; 2000. A green fluorescent protein-reporter mammalian two-hybrid system with extrachromosomal maintenance of a prey plasmid: Application to <sup>interaction</sup> screening. <i>Proc. Natl. Acad. Sci.</i> 97, 5220-5224.
V	cp	Vasavada, H. A.; Ganguly, S.; Germino, F. J.; Wang, Z. X.; and Weissman, S. M.; 1991. A contingent replication assay for the detection of protein-protein interactions in animal cells. <i>Proc. Natl. Acad. Sci.</i> 88, 10686-10690.

EXAM INIT.		<b>OTHER MATERIALS</b> (Including, Author, Title, Date, Relevant Pages, Place of Publication. **)
MRJ	da	West, R. W., Jr.; Yocum, R. R.; and Ptashne, M.; 1984. <i>Saccharomyces cerevisiae</i> GAL1-GAL10 Divergent Promoter Region: Location and Function of the Upstream Activating Sequence UAS <sub>G</sub> . Mol. Cell. Biol. 4, 2467-2478.
↓	db	Yang, M; Wu, Z.; and Fields, S.; 1995. Protein-peptide interactions analyzed with the yeast two-hybrid system. Nucleic Acid Res. 23, 1152-1156.
↓	dc	Young, K. H.; 1998. Yeast Two-Hybrid: So Many Interactions, (in) So Little Time.... Biology of Reproduction 58, 302-311.
EXAMINER <i>Michelle K. Gistie</i>		DATE CONSIDERED <i>8/8/06</i>
EXAMINER: Initial If citation considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant. **Place of Publication refers to name of publication in which the information was published.		

<b>PTO-1449</b>  <b>Information Disclosure Citation in an Application</b>			Application No.		Applicant(s)		
			<del>Unknown</del> 10/810,995		Edwards et al.		
			Docket Number 068660.0126		Group Art Unit <del>Unknown</del> 1636		Filing Date
<b>U.S. PATENT DOCUMENTS</b>							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
MR	J A.	5925523	7/20/99	Dove et al.	435	6	8/26/97
MR	J B.	5965368	10/1999	Vidal et al.			
	C.						
	D.						
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<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
MR	J M.	97/31113	8/28/97	WO	C12N	15/12	X
	N.						
	O.						
<b>NON-PATENT DOCUMENTS</b>							
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
MR	J P.	International Search Report PCT/US 00/27677					2/15/02
	Q.	Findley et al. (1997) "Two-hybrid of genetic regulatory networks" in The Yeast Two-Hybrid System, Bartel et al eds., Oxford University Press, pp. 197-214					
	R.	Schena et al. (1991) Methods in Enzymology 194:389-398					
	S.						
EXAMINER					DATE CONSIDERED		
Michael K. Spiller					8/8/06		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							